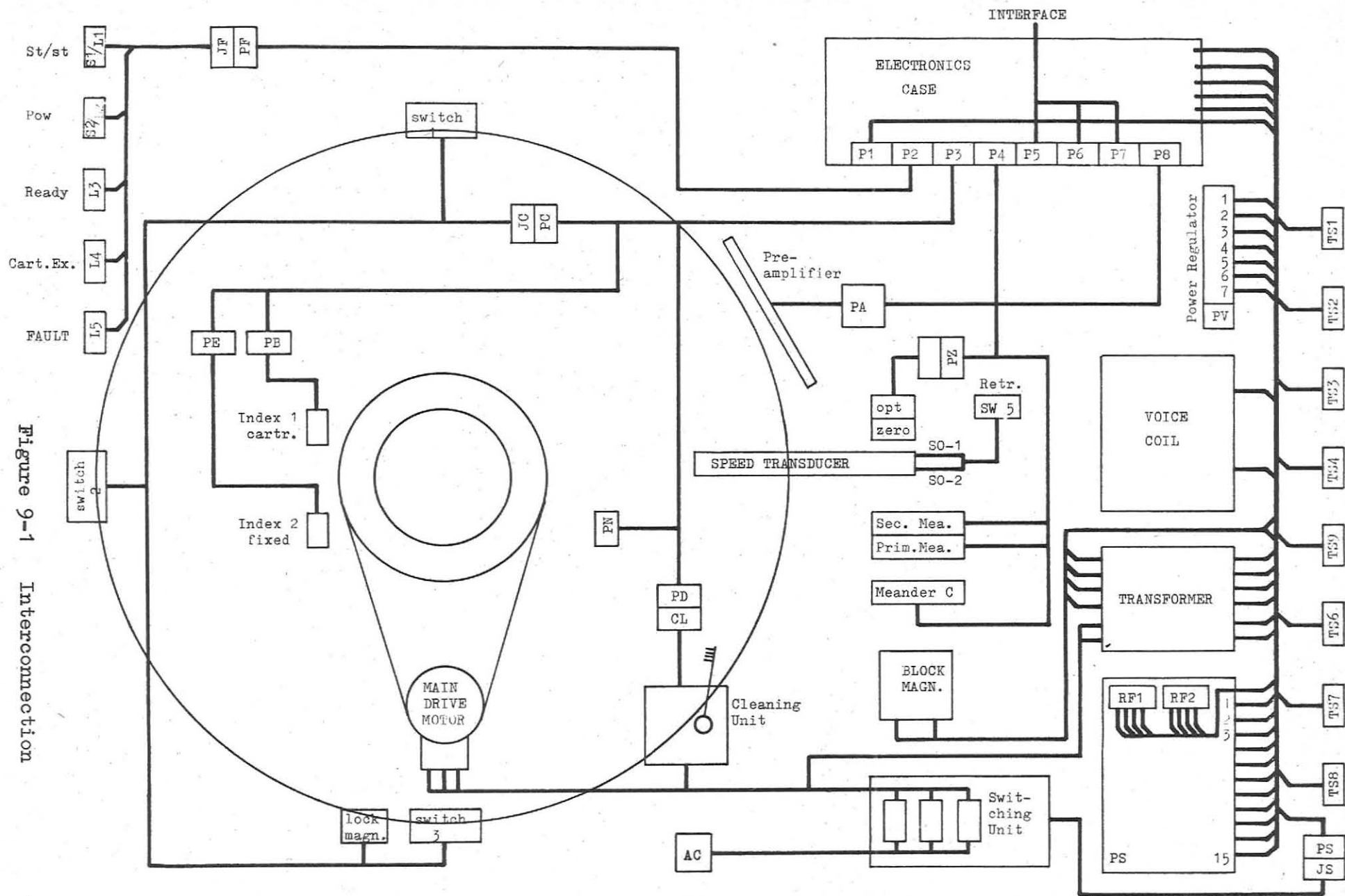


Cartridge Disk Drive Unit Vol. IX: Wiring List



**Data
Systems**






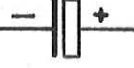
<u>AB pin</u>	<u>To</u>	<u>Signal</u>
1	Driver print-4	
2	Driver print 2	
3	Rack OV.	
4	Rack +5V.	
5	TS6-E	
6	TS6-B	
7	TS6-C	



<u>AB/AM</u>	<u>To</u>	<u>Signal</u>
2	CA-1	
3	AS-4	
4	AS-2	

<u>AB/CL</u>	<u>To</u>	<u>Signal</u>
1	AS-7	
2	RL3-5	

<u>AS pin</u>	<u>To</u>	<u>Signal</u>
1	TR1-12	
1	Running time meter	
1	AS-2	
2	RL1-14	
2	AB/AM-4	
2	AS-1	
3	TR1-2	
3	Lock Magnet	
3	RL1-11	
3	AS-4	
4	AB/AM-3	
4	Running time meter	
4	AS-3	
5	RL1-13	
5	RL3-7	
5	Lock Magnet	
5	AS-6	
6	TR1-12	220V AC.
6	AS-5	
7	RL1-10	
7	AB/CL-1	
7	AS-8	
8	TR1-4	
8	AS-7	

<u>CA</u>	<u>To</u>	<u>Signal</u>
1	AB/AM-2	
2	Running time meter	

<u>CM pin</u>	<u>To</u>	<u>Signal</u>
1	P4-7	NSD*
6	P4-9	NCD*
7	P4-3	-12V
7 	CM-H	
8	P4-4	+12V
8 	CM-J	
10	Primary meander-2	NPMC
A	P4-8	PSD*
F	P4-10	PCD*
H 	CM-7	
J	P4-12	Ground
J 	CM-8	
K	Earth screw	Ground
L	Primary meander-1	PPMC

<u>FL1</u>	<u>To</u>	<u>Signal</u>
	Mains Connector 	Earth
2	Mains Connector-1	220V AC.
4	Mains Connector-2	220V AC. Return

<u>F7</u>	<u>To</u>	<u>Signal</u>
2	TR1-1	

<u>JC pin</u>	<u>To</u>	<u>Signal</u>
1	LM-1	\overline{CL}^*
2	LM-2	+24V
3	SW1-NO	\overline{RTO}^*
4	SW1-NC	RTOG*



<u>JF pin</u>	<u>To</u>	<u>Signal</u>
1	S1-1	$\overline{\text{SBU}} *$
2	S1-2	SBUG*
3	S1-3	$\overline{\text{SBD}} *$
4	S1-4	SBDG*
5		
6		
7	S2-1	$\overline{\text{WPBU}} *$
8	S2-2	WPBUR*
9	S2-3	$\overline{\text{WPBD}} *$
10	S2-4	WPBDG*
11	L1-A	$\overline{\text{START}} *$
12	L1-B	+12V
13	L5-A	$\overline{\text{UNS}} *$
14	L5-B	+12V
15	L4-A	$\overline{\text{EXC}} *$
16	L4-B	+12V
17	L3-A	$\overline{\text{URI}} *$
18	L3-B	+12V
19	L2-A	WPI*
20	L2-B	+12V

<u>JI pin</u>	<u>To</u>	<u>Signal</u>
2		
3	Index Unit 0	Ground
4	Index Unit +5V	+5V
5	Index Unit 0	OPZR*
6	Index Unit Out	OPZ*
7	Index Unit -6V	-6V
8	Index Unit +12V	+12V
10		

<u>JS pin</u>	<u>To</u>	<u>Signal</u>
1	RL2-1	PMD*
2	RL1-7	+24V
3	RL3-1	CME*
4	RL3-4	+24V
5	RL1-1	PME*
6	RL2-7	+24V

<u>LM</u>	<u>To</u>	<u>Signal</u>
1 	JC-1	$\overline{\text{CL}}$ *
2	JC-2	+24V

<u>L1</u>	<u>To</u>	<u>Signal</u>
a	JF-11	$\overline{\text{START}}$ *
b	JF-12	+12V

<u>L2</u>	<u>To</u>	<u>Signal</u>
a	JF-19	WPI *
b	JF-20	+12V

<u>L3</u>	<u>To</u>	<u>Signal</u>
a	JF-17	URI *
b	JF-18	+12V

<u>L4</u>	<u>To</u>	<u>Signal</u>
a	JF-15	EXC *
b	JF-16	+12V

<u>L5</u>	<u>To</u>	<u>Signal</u>
a	JF-13	UNS *
b	JF-14	+12V

<u>PA pin</u>	<u>To</u>	<u>Signal</u>
1	P8-1	RD1*
2	P8-2	Ground
3	P8-3	RD2*
4	P8-4	Ground
5		
6		
7	P8-7	RC*
8	P8-8	Ground
9	P8-9	+12V
10	P8-10	-12V
11	P8-11	$\overline{\text{UHC}}$ *
12	P8-12	$\overline{\text{UHF}}$ *
13	P8-13	$\overline{\text{LHC}}$ *
14	P8-14	$\overline{\text{LHF}}$ *
15	P8-15	PLSL*
16	P8-16	ERC*
17	P8-17	WRC1*
18	P8-18	WRC2*
19	P8-19	+5V
20	P8-20	Ground

<u>PB pin</u>	<u>To</u>	<u>Signal</u>
1	P3-7	IC1*
2	P3-8	IC2*

<u>PC pin</u>	<u>To</u>	<u>Signal</u>
1	P3-1	\overline{CL}^*
2	P3-2	+24V
3	P3-3	RTO*
4	P3-4	RTOG*
5		
6		

<u>PD pin</u>	<u>To</u>	<u>Signal</u>
1	P3-11	\overline{BIRA}^*
2	P3-12	\overline{BIRG}^*
3	P3-13	\overline{BIRN}^*
4	P3-14	\overline{BIRG}^*
5		
6		

<u>PE pin</u>	<u>To</u>	<u>Signal</u>
1	P3-9	IF1*
2	P3-10	IF2*

<u>PF pin</u>	<u>To</u>	<u>Signal</u>
1	P2-1	$\overline{\text{SBU}}^*$
2	P2-2	SBUG*
3	P2-3	$\overline{\text{SBD}}^*$
4	P2-4	SBDG*
5		
6		
7	P2-7	$\overline{\text{WPBU}}^*$
8	P2-8	WPBUG*
9	P2-9	$\overline{\text{WPBD}}^*$
10	P2-10	WPBDG*
11	P2-11	$\overline{\text{START}}^*$
12	P2-12	+12V
13	P2-13	$\overline{\text{UNS}}^*$
14	P2-14	+12V
15	P2-15	$\overline{\text{EXC}}^*$
16	P2-16	+12V
17	P2-17	$\overline{\text{DRI}}^*$
18	P2-18	+12V
19	P2-19	$\overline{\text{WPI}}^*$
20	P2-20	+12V

<u>PI pin</u>	<u>To</u>	<u>Signal</u>
1	P7-15	$\overline{\text{RDDA}}^*$
2	P7-3	$\overline{\text{UR}}^*$
3	P7-1	$\overline{\text{USA2}}^*(\text{USA})$
4	P7-16	Ground
5	P7-4	Ground
7	P7-2	Ground
8	P7-19	$\overline{\text{WRDA}}^*$
10	P7-7	$\overline{\text{CS}}^*$
11	P7-5	$\overline{\text{HS}}^*$
12	P7-20	Ground
13	P7-8	Ground
14	P7-6	Ground
15	P7-13	Res
16	P7-11	$\overline{\text{USA3}}^*(\text{option})$
17	P7-9	$\overline{\text{CTS}}^*$
18	P7-14	Ground
20	P7-12	Ground
21	P7-10	Ground
22	P7-17	Res
23	P6-3	$\overline{\text{SPC}}^*$
24	P6-1	$\overline{\text{IPC}}^*$
25	P7-18	Ground
26	P6-4	Ground
27	P6-2	Ground
28	P6-9	$\overline{\text{AT}}^*$
29	P6-7	$\overline{\text{CON}}^*$
30	P6-5	$\overline{\text{SPF}}^*$

<u>PI pin</u>	<u>To</u>	<u>Signal</u>
31	P6-10	Ground
32	P6-8	Ground
33	P6-6	Ground
34	P6-15	$\overline{\text{USA1}}^*$ (RERR)
35	P6-13	$\overline{\text{IPF}}^*$
36	P6-11	$\overline{\text{USL}}^*$
37	P6-16	Ground
38	P6-14	Ground
39	P6-12	Ground
40	P5-1	$(\overline{\text{ABO}}^*)$
41	P6-19	+5V
42	P6-17	+5V
43	P5-2	Ground
44	P6-20	Ground
45	P6-18	Ground
46	P5-7	$\overline{\text{AB2}}^*(\overline{\text{AB3}}^*)$
47	P5-5	$\overline{\text{AB1}}^*(\overline{\text{AB2}}^*)$
48	P5-3	$\overline{\text{ABO}}^*(\overline{\text{AB1}}^*)$
49	P5-8	Ground
50	P5-6	Ground
51	P5-4	Ground
52	P5-13	$\overline{\text{AB5}}^*(\overline{\text{AB6}}^*)$
53	P5-11	$\overline{\text{AB4}}^*(\overline{\text{AB5}}^*)$
54	P5-9	$\overline{\text{AB3}}^*(\overline{\text{AB4}}^*)$
55	P5-14	Ground
56	P5-12	Ground
57	P5-10	Ground

<u>PI pin</u>	<u>To</u>	<u>Signal</u>
58	P5-19	SUS
59	P5-17	$\overline{AB7*}(\overline{AB8*})$
60	P5-15	$\overline{AB6*}(\overline{AB7*})$
62	P5-20	Ground
63	P5-18	Ground
64	P5-16	Ground
65	P5-23	Res
66	P5-21	Res
70	P5-24	Ground
71	P5-22	Ground
73	P5-25	Res
76	P5-26	Ground

<u>PN pin</u>	<u>To</u>	<u>Signal</u>
1	P3-15	$\overline{DWSA*}$
2	P3-16	DWSAG*
3	P3-17	$\overline{DWSN*}$
4	P3-18	DWSNG*
5	P3-19	Spare
6	P3-20	Spare

<u>PS pin</u>	<u>To</u>	<u>Signal</u>
1	P1-1	<u>PMD</u> *
2	P1-2	+24V
3	P1-3	<u>CME</u> *
4	P1-4	+24V
5	P1-7	<u>PME</u> *
6	P1-8	+24V

<u>PV pin</u>	<u>To</u>	<u>Signal</u>
1	TS8-B	
2	TR1-3	
3	TS8-C	
4	TR1-4	
5	TS8-E	
6	Rack +12V	+12V
7	TS7-B	
8	TS7-E	
9	TS7-C	+24V
10	Rack +24V	
11	TR1-9	
12	TR1-10	
13	TS9-B	
14	TS9-E	
15	TS9-C	
16	Rack -12V	-12V
17	TR1-13	
18	TR1-14	
19	TR1-7	
20	TR1-8	

<u>PZ pin</u>	<u>To</u>	<u>Signal</u>
1		
3	P4-20	Ground
4	P4-19	+5V
5	P4-18	OPZR*
6	P4-17	OPZ*
7	P4-16	-6V
8	P4-15	+12V
9		

<u>P1 pin</u>	<u>To</u>	<u>Signal</u>
1	PS-1	$\overline{\text{PMD}}$ *
2	PS-2	+24V
3	PS-3	$\overline{\text{CME}}$ *
4	PS-4	+24V
5		
6		
7	PS-5	$\overline{\text{PME}}$ *
8	PS-6	+24V
9	TR1-11	Ground
10	TR1-11	Ground
11	Dvr. Print-8	-35V
12	Dvr. Print-5	+35V
13	TR1-12	25V eff.
14	TR1-11	25V eff. ground.
15	Dvr. Print-15	DEB*
16	Dvr. Print-3	DEBR*
17	Dvr. Print-14	VPC*
18	Dvr. Print-10	CP*
19	TS1-B	DNC*
20	TS3-B	DPC*

<u>P2 pin</u>	<u>To</u>	<u>Signal</u>
1	PF-1	$\overline{\text{SBU}}^*$
2	PF-2	SBUG*
3	PF-3	$\overline{\text{SBD}}^*$
4	PF-4	SBDG*
5	PF-5	
6	PF-6	
7	PF-7	$\overline{\text{WPBU}}^*$
8	PF-8	WPBUG*
9	PF-9	$\overline{\text{WPBD}}^*$
10	PF-10	WPBDG*
11	PF-11	$\overline{\text{START}}^*$
12	PF-12	+12V
13	PF-13	$\overline{\text{UNS}}^*$
14	PF-14	+12V
15	PF-15	$\overline{\text{EXC}}^*$
16	PF-16	+12V
17	PF-17	$\overline{\text{DRI}}^*$
18	PF-18	+12V
19	PF-19	$\overline{\text{WPI}}^*$
20	PF-20	+12V

<u>P3 pin</u>	<u>To</u>	<u>Signal</u>
1	PC-1	$\overline{\text{CL}}^*$
2	PC-2	+24V
3	PC-3	RT0*
4	PC-4	RTOG*
5	PC-5	
6	PC-6	
7	PB-1	IC1*
8	PB-2	IC2*
9	PE-1	IF1*
10	PE-2	IF2*
11	PD-1	$\overline{\text{BIRA}}^*$
12	PD-2	$\overline{\text{BIRG}}^*$
13	PD-3	$\overline{\text{BIRN}}^*$
14	PD-4	$\overline{\text{BIRG}}^*$
15	PN-1	$\overline{\text{DWSA}}^*$
16	PN-2	DWSAG*
17	PN-3	$\overline{\text{DWSN}}^*$
18	PN-4	DWSNG*
19	PN-5	
20	PN-6	

<u>P4 pin</u>	<u>To</u>	<u>Signal</u>
1	SO-2	PSTD*
2	SO-1	NSTD*
3	CM-7	CM-H -12V
4	CM-8	CM-J +12V
5		
6		
7	CM-1	NSD*
8	CM-A	PSD*
9	CM-6	NCD*
10	CM-F	PCD*
11	SW5-NO	$\overline{\text{RETA}}$ *
12	CM-J	Ground
13	SW5-NC	$\overline{\text{RETN}}$ *
14	SW5-C	Ground
15	PZ-8	+12V
16	PZ-7	-6V
17	PZ-6	OPZ*
18	PZ-5	OPZR*
19	PZ-4	+5V
20	PZ-3	Ground

<u>P5 pin</u>	<u>To</u>	<u>Signal</u>
1	PI-40	($\overline{AB0}$ *)
2	PI-43	Ground
3	PI-48	$\overline{AB0}$ * ($\overline{AB1}$ *)
4	PI-51	Ground
5	PI-47	$\overline{AB1}$ * ($\overline{AB2}$ *)
6	PI-50	Ground
7	PI-46	$\overline{AB2}$ * ($\overline{AB3}$ *)
8	PI-49	Ground
9	PI-54	$\overline{AB3}$ * ($\overline{AB4}$ *)
10	PI-57	Ground
11	PI-53	$\overline{AB4}$ * ($\overline{AB5}$ *)
12	PI-56	Ground
13	PI-52	$\overline{AB5}$ * ($\overline{AB6}$ *)
14	PI-55	Ground
15	PI-60	$\overline{AB6}$ * ($\overline{AB7}$ *)
16	PI-64	Ground
17	PI-59	$\overline{AB7}$ * ($\overline{AB8}$ *)
18	PI-63	Ground
19	PI-58	\overline{SUS} *
20	PI-62	Ground
21	PI-66	RES
22	PI-71	Ground
23	PI-65	RES
24	PI-70	Ground
25	PI-73	RES
26	PI-76	Ground

<u>P6 pin</u>	<u>To</u>	<u>Signal</u>
1	PI-24	$\overline{\text{IPC}}^*$
2	PI-27	Ground
3	PI-23	$\overline{\text{SPC}}^*$
4	PI-26	Ground
5	PI-30	$\overline{\text{SPF}}^*$
6	PI-33	Ground
7	PI-29	$\overline{\text{CON}}^*$
8	PI-32	Ground
9	PI-28	$\overline{\text{AT}}^*$
10	PI-31	Ground
11	PI-36	$\overline{\text{USL}}^*$
12	PI-39	Ground
13	PI-35	$\overline{\text{IPF}}^*$
14	PI-38	Ground
15	PI-34	$\overline{\text{USA1}}^*(\text{RERR})$
16	PI-37	Ground
17	PI-42	+5V
18	PI-45	Ground
19	PI-41	+5V
20	PI-44	Ground

<u>P7 pin</u>	<u>To</u>	<u>Signal</u>
1	PI-3	$\overline{\text{USA2}}^*$ (USA)
2	PI-7	Ground
3	PI-2	$\overline{\text{UR}}^*$
4	PI-5	Ground
5	PI-11	$\overline{\text{HS}}^*$
6	PI-14	Ground
7	PI-10	$\overline{\text{CS}}^*$
8	PI-13	Ground
9	PI-17	$\overline{\text{CTS}}^*$
10	PI-21	Ground
11	PI-16	$\overline{\text{USA3}}^*$ (Option)
12	PI-20	Ground
13	PI-15	RES
14	PI-18	Ground
15	PI-1	$\overline{\text{RDDA}}^*$
16	PI-4	Ground
17	PI-22	RES
18	PI-25	Ground
19	PI-8	$\overline{\text{WRDA}}^*$
20	PI-12	Ground

<u>P8 pin</u>	<u>To</u>	<u>Signal</u>
1	PA-1	RD1
2	PA-2	Ground
3	PA-3	RD2
4	PA-4	Ground
5	PA-5	
6	PA-6	
7	PA-7	RC
8	PA-8	Ground
9	PA-9	+12V
10	PA-10	-12V
11	PA-11	$\overline{\text{UHC}}$
12	PA-12	$\overline{\text{UHF}}$
13	PA-13	$\overline{\text{LHC}}$
14	PA-14	$\overline{\text{LHF}}$
15	PA-15	PLSL
16	PA-16	ERC
17	PA-17	WRC1
18	PA-18	WRC2
19	PA-19	+5V
20	PA-20	Ground

<u>RF1</u>	<u>To</u>	<u>Signal</u>
~	TR1-1	
~	TR1-12	
+	Driver print-1	
-	Driver print-6	

<u>RF2</u>	<u>To</u>	<u>Signal</u>
~	TR1-5	
~	TR1-6	
+	Driver print-2	
-	Driver print-4	

<u>RF3</u>	<u>To</u>	<u>Signal</u>
~	TR1-4	
~	TR1-5	
+	RL2-10	
-	RL2-13	

<u>RL1 pin</u>	<u>To</u>	<u>Signal</u>
1	JS-5	PME *
5	RL2-6	
6	RL2-5	
7	JS-2	+24V
10	AS-7	
11	AS-3	
13	AS-5	
14	AS-2	

<u>RL2 pin</u>	<u>To</u>	<u>Signal</u>
1	JS-1	PMD*
5	RL1-6	
6	RL1-5	
7	JS-6	
10	RF3 +	
13	RF3 -	

<u>RL3 pin</u>	<u>To</u>	<u>Signal</u>
1	JS-3	CME*
4	JS-4	+24V
5	AB/CL-2	
7	AS-5	

<u>R8</u>	<u>To</u>	<u>Signal</u>
1	Driver print-14	VPC*
1	VC-2	
2	Driver print-3	

<u>SW1</u>	<u>To</u>	<u>Signal</u>
NO	JC-3	RTO
NC	JC-4	RTOG
NC	SW2-NO	
NC	SW3-NC	
C	Ground	

<u>SW2</u>	<u>To</u>	<u>Signal</u>
NO	SW1-NC	
C	Ground	

<u>SW3</u>	<u>To</u>	<u>Signal</u>
NC	SW1-NC	
C	Ground	

<u>SW5</u>	<u>To</u>	<u>Signal</u>
NO	P4-11	<u>RETA</u> *
NC	P4-13	<u>RETN</u> *
C	P4-14	Ground

<u>S0</u>	<u>To</u>	<u>Signal</u>
1	P4-2	NSTD *
2	P4-1	PSTD *

<u>S1 pin</u>	<u>To</u>	<u>Signal</u>
1	JF-1	<u>SBU</u> *
2	JF-2	SBUG *
3	JF-3	<u>SBD</u> *
4	JF-4	SBDG *
11	TR1-11	220V AC.

<u>S2 pin</u>	<u>To</u>	<u>Signal</u>
1	JF-7	<u>WPBU</u> *
2	JF-8	<u>WPBUR</u> *
3	JF-9	<u>WPBD</u> *
4	JF-10	<u>WPBDG</u> *

<u>TR1 pin</u>	<u>To</u>	<u>Signal</u>
1	RF1-AC	
1	F7-2	
2	Driver print-3	
2	TR1-11	
2	AS-3	
3	PV-2	
4	PV-4	
4	AS-8	
4	RF3	AC
5	RF3	40V AC
5	RF2-AC	
6	RF2-AC	
7	PV-19	
8	PV-20	
9	PV-11	
10	PV-12	
11	P1-9	
11	P1-10	
11	P1-14	
11	TR1-2	
11	S1-11	220V AC
12	P1-13	25V eff.
12	AS-1	
12	AS-6	220V AC
12	RF1-AC	
13	PV-17	
14	PV-18	

<u>TS1</u>	<u>To</u>	<u>Signal</u>
B	P1-19	DNC*
B	TS2-B	
C	Driver print-10	CP*
C	TS2-C	
E	Driver print-9	

<u>TS2</u>	<u>To</u>	<u>Signal</u>
B	TS1-B	DNC*
C	TS1-C	CP*
E	Driver print-7	

<u>TS4</u>	<u>To</u>	<u>Signal</u>
B	TS3-B	
C	TS3-C	
E	Driver print-11	

<u>TS3</u>	<u>To</u>	<u>Signal</u>
B	P1-20	DPC
B	TS4-B	
C	Driver print-5	
C	TS4-C	
E	Driver print-13	

<u>TS6</u>	<u>To</u>	<u>Signal</u>
B	AB-6	
C	AB-7	
E	AB-5	

<u>TS7</u>	<u>To</u>	<u>Signal</u>
B	PV-7	
C	PV-9	
E	PV-8	

<u>TS8</u>	<u>To</u>	<u>Signal</u>
B	PV-1	
C	PV-3	
E	PV-5	

<u>TS9</u>	<u>To</u>	<u>Signal</u>
B	PV-13	
C	PV-15	
E	PV-14	

<u>VC</u>	<u>To</u>	<u>Signal</u>
1	Driver print-12	CP *
2	R8-1	VPC *

Earth ScrewTo

CM-K

AB/AM

AB/CL

TR1 Screen

Index UnitToSignal

0

JI-5

OPZR*

0

JI-3

Ground

+5V

JI-4

+5 volts DC.

+12V

JI-8

+12 volts DC.

-6V

JI-7

-6 volts DC.

Out


JI-6

OPZ*

Lock MagnetToSignal

AS-3

AS-5

Mains
ConnectorToSignalFL1 

Earth

1

FL1-2

220V AC.

2

FL1-4

220V AC. Return

<u>Primary Meander</u>	<u>To</u>	<u>Signal</u>
1	CM-L	PPMC
2	CM-10	NPMC

<u>Rack</u>	<u>To</u>	<u>Signal</u>
0V	AB-3	Ground
+5V	AB-4	+5 volts DC
-12V	PV-16	-12 volts DC
+12V	PV-6	+12 volts DC
+24V	PV-10	+24 volts DC

<u>Running Time Meter</u>	<u>To</u>	<u>Signal</u>
	AS-1	
	AS-4	
	CA-2	

